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| | | CIA IMAGERY ANALYSIS [| NOISION | CIA/PIR-61112 |
|---|--|---|--|---|
| | MOSCOW GUID | ED MISSILE PLANT | 456, KHIMKI, US | SR |
| | CHAN | GES IN TEST AREA | SINCE | |
| * | • | Introduction | | |
| involved in the late 19 plant was in and has sub of varying has also be approximate | n the research and 1940's (Figure 1) first observed or osequently been of quality. Some peen obtained durings a probable effluence | e center of Mosco nd development of . The static tes n photography in covered entirely peripheral ground ing this period. , including three ent control syste | liquid rocket of t facility associated or in part by photography of The test area of test stands, a | engines since ciated with the missions the facility consists of |
| Signif | | ruction Since | in the test star | nd area between |
| Test Stands was evident (Figure 3, the tank co (Figure 3, just outsid to the test continues to were also | t and in tand in tand in tand in tem 12) and a sould be identified. Item 14) measured to stand area when to Stand 2 and But constructed and experienced and ex | erved in the bott activity was not 150 foot diameter ed. During this ing approximately nd to the east. re it joins the 1 uilding 8. Two 1 extend from the to The quality of ipes and ducts in | present in a circular a 30 foot dia retaining wall same time period 110 by 50 feet A pipe leads from ine serving Buil arge diameter dia wo stands down to the photography | lar structure meter tank surrounding d, a building was constructed om this building dding 10 and then acts or pipes to a point just precludes |
| | | | as observed in t | the area between |

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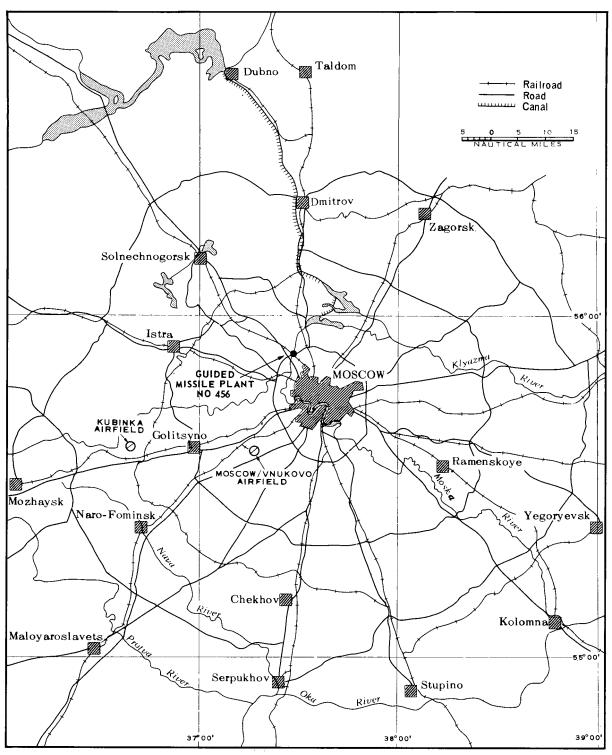


FIGURE 1

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|---|---|--|--|---|---|---|
| | | | | | | |
| stack is wall. The photogram at the 19 KB 48/8 capproxima 1965 (Fig feet. Gr construct | roximately a large pipe e first evid hy of 5 July 0 foot level rane. By tely 250 fee ure 5) showed ound photograme. | e or duct dence of t 1965 (Fi L. The co etm ed that th raphy on 1 ad been mo | which connotes struction on the late stack has becomber wed away f | ects the sture was obs At that tin crane alor th r ground ph d reached i 1965 (Figure | At the cack with served on the stack agside is tack notograph ts full are 5) re | de up of five base of the the retaining ground ack was already identified as a had risen to y on 25 Septembe height of 325 vealed that the hat the segments |
| | | Stack M | ensuration | Methodolog | <u>y</u> | |
| Meth | od 1 | Photogr | aphy) | | | |
| derived f | | nents of t | he stack s | | | 250 feet was of the partiall |
| | oy smoke in d was found | | | | | gh partly sing a "z" scale |
| No d photograp | iameter meas hy. | urement c | ould be ta | ken due to | the qual: | ity of the |
| Meth | od 2 (Ground | Photogra | phy) | | | |
| based on | Measurement three assum <u>r</u> | | rom four g | roups of gr | ound phot | ographs are |
| the BK-40 | l. Th | e KB 48/8 which di | construct mensions a | ion crane i re availabl | s a sligh e. | nt variation of |
| camera. | 2. Th | e stack a | nd crane a | re at the s | ame dista | ance from the |
| | 3. Th | e ctack a | nd amono o | re hoth at | the same | base level. |
| | ٦٠ ـ ١١١ | L DUGCIL GI | nu crane a | . C DOOM 40 | | · · · · · · · · · · · · · · · · · · · |

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| · | |
| 5 July 1965 - | - 190 feet (58 m) in height |
| 4 August 1965 | 5 - 250 feet (76 m) in height |
| 25 September | 1965 - 325 feet (99 m) in height |
| • | |
| | Conclusions |
| large ducts from Test S down to the collection The large building adja where the effluent is s area for recycling or d | r to be an integrated effluent control system. The Stands 1 and 2 probably direct the toxic effluent area which consists of the tank and retaining wall. acent to the wall may be a decontamination facility scrubbed before being pumped back up to the stand disposal. The large stack is a logical addition y to disperse toxic fumes into the atmosphere. |
| | REFERENCES |
| | |
| PHOTOGR A PHY | |
| PHOTOGRAPHY | |

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| <u> </u> | CIA IMAGERY ANALYSIS DIVISION | CIA/PIR-61112 |
|--------------------------------|---|----------------------------------|
| | | , |
| DOCUMENTS | | |
| NPIC PIR BRIEF Khimki 456, USS | New Tower at Moscow GR, August 1965 (TOP SECRET | uided Missi le Plant] |
| NPIC PIR USSR, December | Moscow Guided Missile Engi | ne Plant 456 Khimki |
| | l Derricks CIA Joint Publication 18 June 1963 (UNCLASSIFIED) | s Research Service |
| REQUIREMENT | | |
| c-SI5-83,052 | | |
| CIA/IAD PROJECT | | |

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GUIDED MISSILE PLANT KHIMKI NO 456 TEST AREA



FIGURE 2

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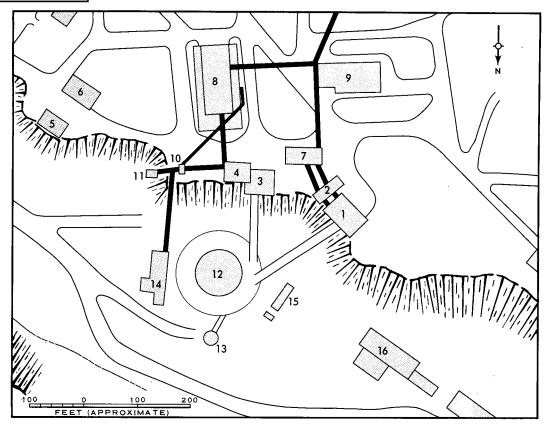


FIGURE 3

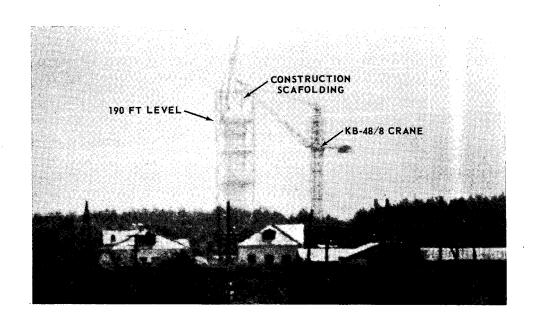
Table of Dimensions

| Item | Length (feet) | Width (feet) | Description |
|--------|----------------|--------------|-----------------------------|
| 1 | 65 | 55 | Test Stand 1 |
| 2 | 65 | 30 | Test Stand Support Buidling |
| 3 4 | 60 | 45 | Test Stand 2 |
| | 50 | 50 | Test Stand Support Building |
| 5 | 50 | 50 | Test Stand 3 |
| 6 | 60 | 30 | Test Stand Support Building |
| 7 | 75 | 40 | Test Stand Support Building |
| 8 | 170 | 90 | Support Building |
| 8 | 127 | ¥O | Highbay |
| 9 | 115 | 50 | Support Building |
| 10 | 40 | 25 | Possible Pump House |
| 11 | 30 | 30 | Possible Pump House |
| 12 | 80 (diameter) | J | Tan k |
| 12 | 150 (diameter) | | Retaining Wall |
| 13 | 25 (diameter) | 325 (high) | Stack |
| 14 | 110 | 50 | Effluent Treatment Building |
| 15 | 45 | 15 | Support Building |
| 16 | 160 | 40 | Support Building |
| 16 | 50 | 30 | |
| |) \ | 20 | Support B uilding |

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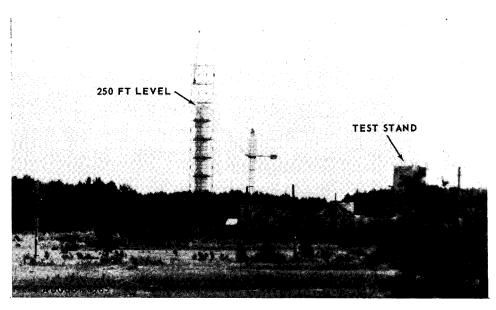


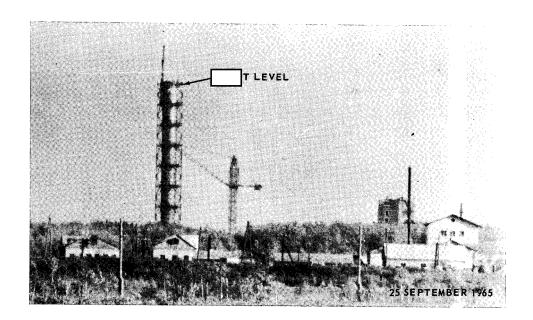
FIGURE 4

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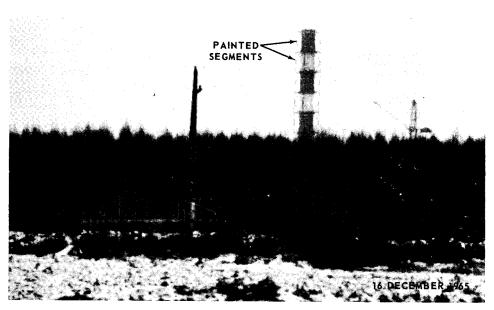


FIGURE 5

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